

ultra CAV™

PROGRESSIVE CAVITY GRINDER PUMPS

Superior Performance

- Oil filled design, capacitor start/capacitor run motor
- 1hp, 240 or 120v, 1750rpm 60Hz or 230V 1450rpm 50Hz
- Maximum recommended design head when used in a low pressure system is 138' TDH or 60psi
- Flows to 16 gpm (daily pump flow volumes per EPA 625/1-9/024, section 2.4.1.1)
- Polished stainless steel pump rotor
- Exclusive Slicerator-replaceable radial grinder cutter and reversible shredder ring
- Closed valve protection optional

Design Features

- Exclusive quick connect power cord is pre-wired, one plug makes installation quick and easy while startup problems are virtually eliminated. Custom molded design seals tight and reduces strain.
- Choose the basin configurations, controls systems and alarm package that best suits your needs and budget.
- Exclusive UltraCAP II™ dry well option includes an integrated controls configuration which is pre-wired, assembled and tested at the factory.
- A family of robust fiberglass basins from 24" to 42" in diameter and up to 18' lengths available.
- A variety of level control systems including modularized control assembly provides continuous fail safe operation and requires no regular preventive maintenance. Service is performed without pump removal.

The UltraCAV system is a rugged and reliable high head progressive cavity pump. It simplifies system design and reduces cost to communities and homeowners by eliminating the need for lift or auxiliary pumping stations.



UL 778 Standard 108

BARNES®

Pressure Sewer Systems

(A) Exclusive Slicerator™

The staggered slicing action of the radial grinder cutter dramatically reduces the torque requirement of the motor, cuts with less horsepower, and increases the unit's efficiency. This helps prevent clogging with particularly troublesome objects such as plastic, rubber, sanitary napkins, disposable diapers and cloth items.

(B) UltraCAP II™ Removable Dry Well

Optional rotomolded polyethylene removable dry well with integrated control panel eliminates the need to connect any wires inside the pump station.

(C) Stealth™ Control Panels

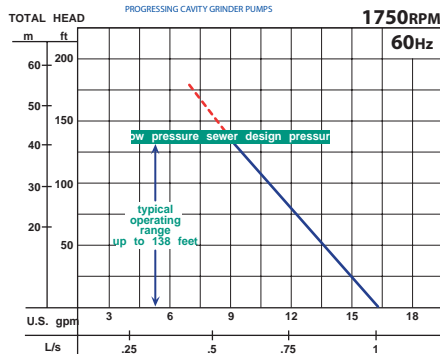
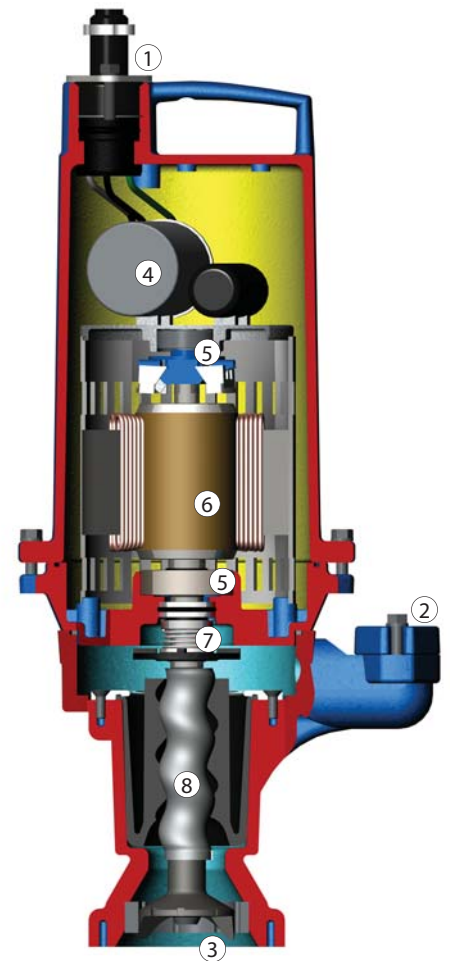
UL Listed, family of Stealth control panels provides cost effective and reliable pump station operation along with potential malfunction warning.

(D) Level Control Systems

Options including modularized control assemblies are available including mechanical floats and the ESPS (Environmentally Sealed Pressure Switch).

(E) Flexible Connector

Prevents potential misalignment problems by compensating for different settling rates of basin and discharge pipe.



Ultra Cav Features

1. Quick disconnect cord
2. Threaded discharge flange
3. Exclusive Slicerator
4. Integral capacitors for start and run
5. Oil-lubricated ball bearings for maximum life
6. Oil filled motor with overload protection
7. Silicon carbide mechanical seal for long life
- 8.. Progressive Cavity Rotor & Stator



PUMPS & SYSTEMS

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